

**Amendments to the Specification:**

Please replace the paragraph, beginning at page 1, line 9, with the following rewritten paragraph:

The present invention relates to a resonator, a filter, a communication apparatus, a resonator manufacturing method and a filter manufacturing method. ~~used for~~ The filters of are used in base station equipment of a mobile communications ~~base station of~~ using portable telephones ~~and the like~~ and an airwave sending station and so on, and for those of terminals.

Please replace the paragraph, beginning at page 1, line 17, with the following rewritten paragraph:

In recent years, sensitive sending and receiving performance and good call quality are essential ~~to in~~ a portable telephone system, ~~and f~~ Filters of for use in base station equipment and terminals are required to have a passage characteristics of low losses ~~hardly~~ minimally degrading signal components and a ~~precipitous~~ sharp attenuation characteristics capable of ~~securely eliminating an unnecessary~~ disturbing wave components.

Please replace the paragraph, beginning at page 2, line 1, with the following rewritten paragraph:

Furthermore, there is increasingly ~~severe~~ a recent demand for miniaturization ~~late~~ in addition to the demand for ~~such~~ high performance.

Please replace the paragraph, beginning at page 3, line 7, with the following rewritten paragraph:

~~Here, as shown in FIG. 18 which is~~ shows an explanatory diagram of a prior of art electromagnetic field distribution generated on the dielectric resonator ~~in the past,~~ electric Electric fields (indicated in full line) are concentratedly generated inside the dielectric element 1003, and magnetic fields (indicated in broken line) are generated to be orthogonal thereto.

Please replace the paragraph, beginning at page 3, line 15, with the following rewritten paragraph:

As for the above conventional configuration ~~in the past,~~ however, there were the cases where the shape of the apparatus became larger than ~~a required size~~ that desired.

Please replace the paragraph, beginning at page 5, line 21, with the following rewritten paragraph:

Thus, the characteristic as a band pass filter can be obtained (~~refer to~~from Patent Application Laid-Open No. 57-14201 and Patent Application Laid-Open No. 57-14202).

Please replace the paragraph, beginning at page 6, line 1, with the following rewritten paragraph:

~~Here, the~~ The entire disclosures of Patent Application Laid-Open No. 57-14201 and Patent Application Laid-Open No. 57-14202 are incorporated herein by reference ~~in its entirety~~.

Please replace the paragraph, beginning at page 17, line 11, with the following rewritten paragraph:

~~To begin with, a~~ A dielectric resonator according to a first embodiment of the present invention will be described by referring to the drawings. An embodiment of a resonator manufacturing method of the present invention will also be described while describing the dielectric resonator according to this embodiment ~~(same hereafter)~~.

Please replace the paragraph, beginning at page 18, line 1, with the following rewritten paragraph:

The input-output terminals 101a and 101b have the input-output probes 102a and 102b connected to central conductors thereof by soldering and so on, and are provided on a housing surface X on which the dielectric element 103 is held ~~(same hereafter)~~.

Please replace the paragraph, beginning at page 18, line 18, with the following rewritten paragraph:

The cylindrical shape according to this embodiment is a short shape, that is, a so-called a disc shape ~~(same hereafter)~~.

Please replace the paragraph, beginning at page 18, line 1, with the following rewritten paragraph:

Operation of ~~a the above~~ dielectric filter ~~constituted as above~~ will now be described.

Please replace the paragraph, beginning at page 19, line 13, with the following rewritten paragraph:

As is understandable from this, the value Q of the resonator is increased by providing the space g between the half-cylindrical dielectric element 103 suited to miniaturization and the

metal housing 104. In the case where the space g is small, the rise in the value Q is small and frequency variation is significant so that the space g should preferably be set a little larger than about 0.2 mm at which there is a little frequency variation.

Please replace the paragraph, beginning at page 19 line 21, with the following rewritten paragraph:

Dimensions of the half-cylindrical dielectric element 103 are about radius 5 mm, thickness 5.8 mm, and relative permittivity 93, and internal size of the metal housing 104 is about length 21.4 mm, height 13.1 mm, and width 10.0 mm.

Please replace the paragraph, beginning at page 20, line 1, with the following rewritten paragraph:

To hold the dielectric element 103, ~~it is possible to utilize a support 1005 and so on may be.~~ It is also possible, however, to place a low relative permittivity material 301 made of alumina or the like in the space g between a side of the dielectric element 103 which is a non-semicircular rectangular plane and the metal housing 104 as in FIG. 3 which is an A-A' sectional view of the dielectric resonator according to the first embodiment of the present invention (that is, to support the low relative permittivity material 301 between the half-cylindrical dielectric element 103 and the metal housing 104). Thus, it becomes easy to exactly position and fix the dielectric element 103 in the metal housing, and it becomes possible to enhance a radiation effect of the dielectric element 103.

Please replace the paragraph, beginning at page 20, line 15, with the following rewritten paragraph:

~~As a matter of course, the~~ The dielectric element 103 corresponds to the dielectric element of the present invention, the metal housing 104 corresponds to the housing of the present invention, the low relative permittivity material 301 corresponds to the holding member of the present invention, the input-output probes 102a and 102b correspond to signal input-output probes of the present invention. The dielectric resonator according to this embodiment corresponds to the resonator of the present invention.

Please replace the paragraph, beginning at page 21, line 8, with the following rewritten paragraph:

As shown in FIG. 4 (a), a dielectric element 1031 may have a shape of a doughnut or a baumkuchen cut in half. In short, there may be a hole at the center of the cylindrical shape (~~same hereafter~~).

Please replace the paragraph, beginning at page 21, line 16, with the following rewritten paragraph:

~~Hereafter, the~~ The dielectric resonator according to a second embodiment of the present invention will be described by referring to the drawings.

Please replace the paragraph, beginning at page 23, line 1, with the following rewritten paragraph:

The shape of the dielectric element 401 is a radius of about 5.0 mm, thickness 5.8 mm, and relative permittivity 93. As for the internal size of the metal housing 402, two orthogonal sides are about 13.9 mm respectively, and one remaining side is about 19.7 mm.

Please replace the paragraph, beginning at page 23, line 23, with the following rewritten paragraph:

~~Hereafter, the~~ The dielectric filter according to a third embodiment of the present invention will be described by referring to the drawings.

Please replace the paragraph, beginning at page 24, line 7, with the following rewritten paragraph:

In FIGS. 9(a) - 9(b), reference numerals 701a and 701b denote the input-output terminals, 702a and 702b denote the input-output probes, 703a, 703b, 703c and 703d denote the dielectric elements, 704 denotes the metal housing, and 705 denotes the low relative permittivity material.

Please replace the paragraph, beginning at page 24, line 15, with the following rewritten paragraph:

The dielectric elements 703a, 703b, 703c and 703d have ~~the~~ half-cylindrical shape, and the side which is the non-semicircular plane is connected to the metal housing 704 via the low relative permittivity material 705 comprised of the low relative permittivity materials such as the alumina. The central axes of the half-cylindrical dielectric elements 703a, 703b, 703c and 703d are placed in parallel respectively.

Please replace the paragraph, beginning at page 25, line 12, with the following rewritten paragraph:

As described above, it is possible, according to the third embodiment, to alleviate conductor losses by placing the low relative permittivity material 705 comprised of the alumina, for example, and so on in the space g between the side which is the non-semicircular plane of the dielectric elements 703a, 703b, 703c and 703d and the metal housing 704.

Please replace the paragraph, beginning at page 26, line 13, with the following rewritten paragraph:

One low relative permittivity material 705 was formed ~~against~~ with respect to the four dielectric elements 703a, 703b, 703c and 703d. It ~~goes without saying~~ is noted, however, that the same effect can be obtained by forming four low relative permittivity materials to correspond to them respectively.

Please replace the paragraph, beginning at page 26, line 19, with the following rewritten paragraph:

~~Hereafter, the~~ The dielectric filter according to a fourth embodiment of the present invention will be described by referring to the drawings.

Please delete the heading at page 35, line1:

### ~~Advantages of the Invention~~